

Geometry Converse of Pythagorean Theorem

1. What is your name?

- **Open the Converse document that is on the class wiki site at <http://watertowngeometry.wikispaces.com/Unit+9>**

2. How does c^2 compare to $a^2 + b^2$?

- **Measure $\angle C$.**

3. What kind of triangle is $\triangle ABC$?

- **Drag a point on the triangle so that $\angle C$ is obtuse.**
- **Double click on the table so it “freezes” the measurements.**
- **Drag the triangle so that $\angle C$ is a different obtuse angle and double click on the table again. Repeat this process until you have at least 3 obtuse triangle measurements in the table.**

4. When the triangle is obtuse, how does c^2 compare to $a^2 + b^2$?

- **Drag a point on the triangle so that $\angle C$ is acute.**
- **Double click on the table so it “freezes” the measurements.**
- **Drag the triangle so that $\angle C$ is a different acute angle and double click on the table again. Repeat this process until you have at least 3 acute triangle measurements in the table.**

5. When the triangle is acute, how does c^2 compare to $a^2 + b^2$?

- **Save the document and email me the document, william.gripentrog@k12.sd.us**
- **Hand-in this document into the top basket.**